

Appointment

From: Manning, Bryan [manning.bryan@epa.gov]
Sent: 11/17/2015 9:45:17 PM
To: Manning, Bryan [manning.bryan@epa.gov]; Sarofim, Marcus [Sarofim.Marcus@epa.gov]; Jantarasami, Lesley [Jantarasami.Lesley@epa.gov]; Davidson, Ken [Davidson.Ken@epa.gov]; Samulski, Michael [samulski.michael@epa.gov]; Rennert, Kevin [Rennert.Kevin@epa.gov]; Marten, Alex [Marten.Alex@epa.gov]; Griffiths, Charles [Griffiths.Charles@epa.gov]; Shouse, Kate [Shouse.Kate@epa.gov]; Kopits, Elizabeth [Kopits.Elizabeth@epa.gov]; Yen, David [Yen.David@epa.gov]; Leggett, Cullen [Leggett.Cullen@epa.gov]
Subject: FAA/MIT cost-benefit analysis: Call for staff (call [Ex. 6 - Personal Privacy], code [Ex. 6 - Personal Privacy])
Attachments: 2015 11 17 Technical comments on FAA CO2 informational CBA.DOCX
Location: AA-Room-Office-N62-ASDCDConfRoom/AA-OTAQ-OFFICE
Start: 11/18/2015 6:00:00 PM
End: 11/18/2015 7:00:00 PM
Show Time As: Busy

Hello,

Call [Ex. 6 - Personal Privacy] code [Ex. 6 - Personal Privacy] For this staff call, we will discuss the attached draft technical comments (which OAP and OP/NCEE provided earlier today) on the draft US info papers with the FAA/MIT cost-benefit analysis. We are having this call prior to sending our comments to FAA. Look forward to talking to you tomorrow at 1:00 pm eastern.

Thanks,

Bryan



2015 11 17
Technical comm...

Message

From: Manning, Bryan [manning.bryan@epa.gov]
Sent: 1/6/2015 7:23:14 PM
To: Jantarasami, Lesley [Jantarasami.Lesley@epa.gov]; Leggett, Cullen [Leggett.Cullen@epa.gov]; Audette, Lucie [audette.lucie@epa.gov]
Subject: FW: Updated small jet data and documentation - ready for review
Attachments: GHG Small Jet Inventory-12-22-2014_JF_jt.docx; T100 and GAATA Fuel Burn and CO2 Emissions_12-18-2014.xlsx

Hello Lesley,

Attached is the draft report from ERG (dated Dec 23). Also, they have attached their latest results in the spreadsheet. Due to holidays, I have not begun to review these attachments yet. They sent the draft report to the peer

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Let me know

if you have any comments or questions on the attachments.

Thank you,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: Richard Billings [mailto:Richard.Billings@erg.com]
Sent: Tuesday, December 23, 2014 3:39 PM
To: Manning, Bryan; Maeroff, Bruce; Yen, David
Cc: James Chesnut; Jennifer Sellers
Subject: Updated small jet data and documentation - ready for review

We took out the DC6 and the Antonov 12.

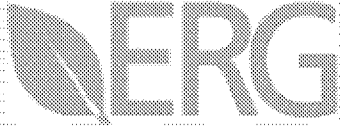
Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Will send this to ICF. Let me know if you have any questions or thoughts.

Have a great holiday.

Richard



Richard Billings
Eastern Research Group
1600 Perimeter Park Drive, Morrisville, NC 27560
(919) 468-7812

Message

From: Manning, Bryan [manning.bryan@epa.gov]
Sent: 11/17/2014 10:00:38 PM
To: Leggett, Cullen [Leggett.Cullen@epa.gov]
Subject: Revised Section V - ANPR
Attachments: Sec V ANPRM 11-17-14b.docx

Hello Cullen,

As we discussed, attached please find the revised ANPR. Let's talk when you have a chance.

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

Message

From: Manning, Bryan [manning.bryan@epa.gov]
Sent: 1/15/2015 4:42:31 PM
To: Richard Billings [Richard.Billings@erg.com]; Maeroff, Bruce [Maeroff.Bruce@epa.gov]; Yen, David [Yen.David@epa.gov]
CC: James Chesnut [James.Chesnut@erg.com]; Jennifer Sellers [Jennifer.Sellers@erg.com]; Leggett, Cullen [Leggett.Cullen@epa.gov]
Subject: RE: Updated small jet data and documentation - ready for review (EPA Comments)
Attachments: GHG Small Jet Inventory-12-22-2014+EPA.docx

Hello Richard,

Good work on this first draft report. Attached please find our comments -- including comments from EPA's OAP. Also, OAP mentioned to me that we should probably have more than 1 peer reviewer for the report. Do you have any suggestions for a second peer reviewer, realizing we need to get them onboard quickly. I have a suggestion for a potential peer reviewer, but we should talk first.

In addition, we appreciate your effort on the attached spreadsheet, and we think your latest results/analysis are probably the best that can be done at this point. We do not think any further work needs to be done on crunching these numbers.

Let me know if you have any questions on our attached comments. We should probably chat by phone sometime next week when you return from TRB, so send me a note when you are ready to talk (or ready to schedule a call).

Thank you,

Bryan

Bryan Manning
 U.S. EPA Office of Transportation and Air Quality
 Large Marine and Aviation Center
 2000 Traverwood Drive
 Ann Arbor, MI 48105
 (ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: Richard Billings [mailto:Richard.Billings@erg.com]
Sent: Tuesday, December 23, 2014 3:39 PM
To: Manning, Bryan; Maeroff, Bruce; Yen, David
Cc: James Chesnut; Jennifer Sellers
Subject: Updated small jet data and documentation - ready for review

We took out the DC6 and the Antonov 12.

Never got anything back from Bombardier, but

Ex. 5 - Deliberative Process

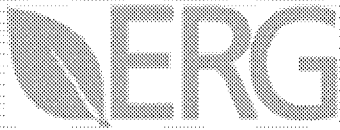
Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Will send this to ICF. Let me know if you have any questions or thoughts.

Have a great holiday.

Richard



Richard Billings
Eastern Research Group
1600 Perimeter Park Drive, Morrisville, NC 27560
(919) 468-7812

Message

From: Leggett, Cullen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8DBC6E558E2342BE994D56FD13F48765-LEGGETT, CULLEN]
Sent: 11/19/2014 10:53:40 PM
To: Manning, Bryan [manning.bryan@epa.gov]
Subject: RE: Revised Section V - ANPR
Attachments: Sec V ANPRM 11-17-14b+CL.docx

Bryan,

Here is the latest version that I have. I'm going to work on it a bit more tomorrow.

From: Manning, Bryan
Sent: Monday, November 17, 2014 5:01 PM
To: Leggett, Cullen
Subject: Revised Section V - ANPR

Hello Cullen,

As we discussed, attached please find the revised ANPR. Let's talk when you have a chance.

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

Message

From: David Cooley [David_Cooley@abtassoc.com]
Sent: 6/9/2016 6:57:44 PM
To: Williams, Melina [Williams.Melina@epa.gov]; Audette, Lucie [audette.lucie@epa.gov]; Jantarasami, Lesley [Jantarasami.Lesley@epa.gov]; Manning, Bryan [manning.bryan@epa.gov]; Brunner, Christine [brunner.christine@epa.gov]
CC: Barbara J. Bauer [Barbara_Bauer@abtassoc.com]; Molly Teague [Molly_Teague@abtassoc.com]; Matt Malachowski [Matt_Malachowski@abtassoc.com]; Leggett, Cullen [Leggett.Cullen@epa.gov]; Thrift, Mike [thrift.mike@epa.gov]
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)
Attachments: copy Aircraft Draft RTC Document 2016-06-09 255 pm.docx

Can you try to upload this version to Sharepoint to see if it works? We think the problem has to do with the footer, and we removed all formatting from the footer. Hopefully that will fix it. Please let me know if you continue to have problems.

We apologize for the inconvenience.

Thanks,
 David

From: Williams, Melina [mailto:Williams.Melina@epa.gov]
Sent: Thursday, June 09, 2016 2:44 PM
To: David Cooley; Audette, Lucie; Jantarasami, Lesley; Manning, Bryan; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Leggett, Cullen; Thrift, Mike
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

I did download a copy before it became unresponsive (attached), but I'm not sure if this includes all the latest edits. (I think Lesley may still have been working in it after this download.)

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Thursday, June 09, 2016 2:41 PM
To: Audette, Lucie <audette.lucie@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi all,

Are you still able to download the file? If so, could you send me the latest version? I can take a look to see what may be causing the issue.

Thanks,
 David

From: Audette, Lucie [<mailto:audette.lucie@epa.gov>]
Sent: Thursday, June 09, 2016 2:33 PM
To: Williams, Melina; David Cooley; Jantarasami, Lesley; Manning, Bryan; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Leggett, Cullen; Thrift, Mike
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

I can no longer access the document as well.

From: Williams, Melina
Sent: Thursday, June 09, 2016 2:32 PM
To: David Cooley <David_Cooley@abtassoc.com>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Is anyone else having trouble with the document now? I couldn't upload edits earlier so closed out, and now I don't seem to be able to open it at all.

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Thursday, June 09, 2016 11:50 AM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Apologies for the issues with the document. I'm glad it seems to be working, but if you notice any other problems, please let me know.

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Thursday, June 09, 2016 11:43 AM
To: Williams, Melina; David Cooley; Manning, Bryan; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Leggett, Cullen; Thrift, Mike
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

The doc is opening fine but I'm still occasionally getting that error message that the table is corrupt when I save in Sharepoint. It doesn't really seem to be affecting anything, though, so for now I'm ignoring it.

Lesley

From: Williams, Melina

Sent: Wednesday, June 08, 2016 6:06 PM

To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; David Cooley <David_Cooley@abtassoc.com>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

It looked okay to me

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: Jantarasami, Lesley

Sent: Wednesday, June 08, 2016 5:25 PM

To: David Cooley <David_Cooley@abtassoc.com>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

I've uploaded the file David sent to Sharepoint. It opens fine and looks correct to me, but others should test it too.

Thanks,

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]

Sent: Wednesday, June 08, 2016 5:16 PM

To: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi Chris and Bryan,

Sorry this has taken so long. I've been trying to update the file in between calls this afternoon.

I've attached the updated file here. You should be able to upload it to Sharepoint with no problem. But please let me know if you still have any problems.

Sorry for the inconvenience, but this version should work for you.

Thanks,

David

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]
Sent: Wednesday, June 08, 2016 5:13 PM
To: David Cooley; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Jantarasami, Lesley; Leggett, Cullen; Thrift, Mike; Williams, Melina
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Sorry to bother you again. I was just checking in to see if you are having any success in fixing the corrupted RTC document. Any thoughts?

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Wednesday, June 08, 2016 2:48 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi Chris and Bryan,

The issue seems to be related to the footers. We've had this issue arise one other time with Sharepoint, and when we removed the tables in the footers it fixed the problem. We can do that for you if you'd like and have the document back to you later this afternoon. Would that work for you?

Thanks,
David

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]
Sent: Wednesday, June 08, 2016 2:07 PM
To: Brunner, Christine
Cc: David Cooley; Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Jantarasami, Lesley; Leggett, Cullen; Thrift, Mike; Williams, Melina
Subject: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hello,

After we added in the table with the list of organizations that commented on the aircraft GHG endangerment NPRM, our report or RTC document (exported document from aircraft CERT) that we were working on in SharePoint became corrupted. The document now has very strange pagination and footers. I am attaching the corrupted file. I tried to delete the table, but that does not seem to fix the problem. Do you know how to possibly uncorrupt the document? If so, could you fix the document?

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

Message

From: Williams, Melina [Williams.Melina@epa.gov]
Sent: 6/9/2016 6:44:23 PM
To: David Cooley [David_Cooley@abtassoc.com]; Audette, Lucie [audette.lucie@epa.gov]; Jantarasami, Lesley [Jantarasami.Lesley@epa.gov]; Manning, Bryan [manning.bryan@epa.gov]; Brunner, Christine [brunner.christine@epa.gov]
CC: Barbara J. Bauer [Barbara_Bauer@abtassoc.com]; Molly Teague [Molly_Teague@abtassoc.com]; Matt Malachowski [Matt_Malachowski@abtassoc.com]; Leggett, Cullen [Leggett.Cullen@epa.gov]; Thrift, Mike [thrift.mike@epa.gov]
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)
Attachments: copy Aircraft Draft RTC Document 2016-06-09 230 pm.docx

I did download a copy before it became unresponsive (attached), but I'm not sure if this includes all the latest edits. (I think Lesley may still have been working in it after this download.)

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Thursday, June 09, 2016 2:41 PM
To: Audette, Lucie <audette.lucie@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi all,

Are you still able to download the file? If so, could you send me the latest version? I can take a look to see what may be causing the issue.

Thanks,
David

From: Audette, Lucie [mailto:audette.lucie@epa.gov]
Sent: Thursday, June 09, 2016 2:33 PM
To: Williams, Melina; David Cooley; Jantarasami, Lesley; Manning, Bryan; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Leggett, Cullen; Thrift, Mike
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

I can no longer access the document as well.

From: Williams, Melina
Sent: Thursday, June 09, 2016 2:32 PM
To: David Cooley <David_Cooley@abtassoc.com>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen

<Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Is anyone else having trouble with the document now? I couldn't upload edits earlier so closed out, and now I don't seem to be able to open it at all.

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: David Cooley [mailto:David_Cooley@abtassoc.com]

Sent: Thursday, June 09, 2016 11:50 AM

To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Apologies for the issues with the document. I'm glad it seems to be working, but if you notice any other problems, please let me know.

Thanks,
David

From: Jantarasami, Lesley [mailto:Jantarasami.Lesley@epa.gov]

Sent: Thursday, June 09, 2016 11:43 AM

To: Williams, Melina; David Cooley; Manning, Bryan; Brunner, Christine

Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Leggett, Cullen; Thrift, Mike

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

The doc is opening fine but I'm still occasionally getting that error message that the table is corrupt when I save in Sharepoint. It doesn't really seem to be affecting anything, though, so for now I'm ignoring it.

Lesley

From: Williams, Melina

Sent: Wednesday, June 08, 2016 6:06 PM

To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; David Cooley <David_Cooley@abtassoc.com>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

It looked okay to me

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: Jantarasami, Lesley
Sent: Wednesday, June 08, 2016 5:25 PM
To: David Cooley <David_Cooley@abtassoc.com>; Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

I've uploaded the file David sent to Sharepoint. It opens fine and looks correct to me, but others should test it too.

Thanks,

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Wednesday, June 08, 2016 5:16 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>
Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi Chris and Bryan,

Sorry this has taken so long. I've been trying to update the file in between calls this afternoon.

I've attached the updated file here. You should be able to upload it to Sharepoint with no problem. But please let me know if you still have any problems.

Sorry for the inconvenience, but this version should work for you.

Thanks,
David

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]
Sent: Wednesday, June 08, 2016 5:13 PM
To: David Cooley; Brunner, Christine
Cc: Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Jantarasami, Lesley; Leggett, Cullen; Thrift, Mike; Williams, Melina
Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Sorry to bother you again. I was just checking in to see if you are having any success in fixing the corrupted RTC document. Any thoughts?

Thanks,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: David Cooley [mailto:David_Cooley@abtassoc.com]

Sent: Wednesday, June 08, 2016 2:48 PM

To: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>

Cc: Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>; Audette, Lucie <audette.lucie@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>

Subject: RE: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hi Chris and Bryan,

The issue seems to be related to the footers. We've had this issue arise one other time with Sharepoint, and when we removed the tables in the footers it fixed the problem. We can do that for you if you'd like and have the document back to you later this afternoon. Would that work for you?

Thanks,
David

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]

Sent: Wednesday, June 08, 2016 2:07 PM

To: Brunner, Christine

Cc: David Cooley; Barbara J. Bauer; Molly Teague; Matt Malachowski; Audette, Lucie; Jantarasami, Lesley; Leggett, Cullen; Thrift, Mike; Williams, Melina

Subject: RTC document is corrupted after adding in list of organizations table (aircraft GHG endangerment FRM)

Hello,

After we added in the table with the list of organizations that commented on the aircraft GHG endangerment NPRM, our report or RTC document (exported document from aircraft CERT) that we were working on in SharePoint became corrupted. The document now has very strange pagination and footers. I am attaching the corrupted file. I tried to delete the table, but that does not seem to fix the problem. Do you know how to possibly uncorrupt the document? If so, could you fix the document?

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

Message

From: Yen, David [Yen.David@epa.gov]
Sent: 10/6/2016 8:02:54 PM
To: Manning, Bryan [manning.bryan@epa.gov]; Leggett, Cullen [Leggett.Cullen@epa.gov]; Samulski, Michael [samulski.michael@epa.gov]
Subject: Draft GHG Model Comparison Summary
Attachments: DraftModelComparisonSummary_100616.docx; Information to support rulemaking of ICAO Member States_Draftv6_final_clean.docx

Attached please find the draft summary document we talked about. Please review and comment.

I also attach the "RIA" summary document that had been approved in Feb (for CAEP10 Report) for your reference. Section 5 covers the background for modeling approach, fleet evolution and GHG models. The model comparison summary is to complement the RIA summary and provide more details on model comparison results.

Thanks,

David

Message

From: David Cooley [David_Cooley@abtassoc.com]
Sent: 7/19/2016 6:00:48 PM
To: Jantarasami, Lesley [Jantarasami.Lesley@epa.gov]; Manning, Bryan [manning.bryan@epa.gov]
CC: Brunner, Christine [brunner.christine@epa.gov]; Barbara J. Bauer [Barbara_Bauer@abtassoc.com]
Subject: RE: latest Aircraft RTC document
Attachments: Aircraft Draft RTC Document 2016-07-19_clean.docx

Hi Chris and Lesley,

See attached for a clean version of the updated RTC document. We copyedited the document, and checked all of the comment document IDs in the comment summaries to make sure they matched the organizations listed in each section.

Ex. 5 - Deliberative Process

Please let me know if you have any questions or if you'd like to see the tracked changes version of this document.

Thanks,
David

From: Jantarasami, Lesley [mailto:Jantarasami.Lesley@epa.gov]
Sent: Tuesday, July 19, 2016 12:17 PM
To: David Cooley; Manning, Bryan
Cc: Brunner, Christine; Barbara J. Bauer
Subject: RE: latest Aircraft RTC document

Hi David and Chris,

We're flexible so another hour or two would be fine.

Thanks,

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Tuesday, July 19, 2016 12:16 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>
Cc: Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>
Subject: RE: latest Aircraft RTC document

Hi Chris and Lesley,

We're mostly through with our review of the document, but it would be great to have another hour or two to finish up. Is your timeline flexible enough for that, or would you prefer we wrap things up and send it now?

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Monday, July 18, 2016 11:27 AM
To: David Cooley; Manning, Bryan
Cc: Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski
Subject: RE: latest Aircraft RTC document

Thanks so much – please let us know if you have any questions about language in the document.

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Monday, July 18, 2016 10:30 AM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>
Cc: Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>
Subject: RE: latest Aircraft RTC document

Hi Chris and Lesley,

We can do that. It's a little bit of a tight turnaround, but we should be able to get the document back to you by midday tomorrow.

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Monday, July 18, 2016 9:55 AM
To: David Cooley; Manning, Bryan
Cc: Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski
Subject: RE: latest Aircraft RTC document

Hi Chris and David,

Sorry for not responding sooner- there's been a flurry of activity here and uncertainty about the signature date. We are currently moving ahead as if signature will occur this Wednesday, 7/20. Thus, would it be possible for you to turn this document around by noon or mid-day tomorrow? You can accept all the track changes in the attached and create a clean, copy-edited version for us with the two tasks we discussed below.

Thanks so much,
Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Tuesday, July 12, 2016 1:34 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Cc: Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague

<Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>

Subject: RE: latest Aircraft RTC document

Hi Chris, Lesley, and Bryan,

We'll plan to do those two tasks when we start copyediting the final document. Do you know your final timeline for when you'd like the copyedited document back? I just want to check on staff availability here.

Thanks,
David

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]

Sent: Tuesday, July 12, 2016 12:54 PM

To: Jantarasami, Lesley; David Cooley

Cc: Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski

Subject: RE: latest Aircraft RTC document

The two points sound good to me.

Thanks,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: Jantarasami, Lesley

Sent: Tuesday, July 12, 2016 12:49 PM

To: David Cooley <David_Cooley@abtassoc.com>

Cc: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>

Subject: RE: latest Aircraft RTC document

Hi Chris and David – I was out of the office yesterday but was able to forward this on to the people who needed it. Thanks for the quick turnaround! I think your two points below sound good, so unless Bryan objects, I think you should do those tasks when we send the final version for copy-editing. FYI that it looks like we should have the new file for you later this week.

Thanks!

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]

Sent: Monday, July 11, 2016 12:12 PM

To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>

Cc: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer

<Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski
<Matt_Malachowski@abtassoc.com>

Subject: RE: latest Aircraft RTC document

Hi Chris and Lesley,

See attached for the formatted Aircraft RTC document. Since you noted that it isn't the final version, we didn't do a full copyedit. However, we have a couple of questions for you for the next version:

Ex. 5 - Deliberative Process

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Friday, July 08, 2016 3:38 PM
To: David Cooley
Cc: Manning, Bryan; Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski
Subject: RE: latest Aircraft RTC document

Argh, oh no! I was able to log in from home and found the correct file. Please let me know if there are problems with this one. And Monday morning is fine if that's what's needed — my fault for not double checking what I was sending.

Thanks!

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Friday, July 08, 2016 3:30 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Cc: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>
Subject: RE: latest Aircraft RTC document

Hi Chris and Lesley,

Unless I'm missing something it looks like the document you sent is the draft final rule, and not the response to comments document. The document you sent does not appear to have any lists of commenter names or any verbatim text.

Is there anyone else that could send us the response to comments document? Unfortunately, it would likely be Monday morning before we could get it back to you. Sorry for the delay.

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Friday, July 08, 2016 3:18 PM
To: David Cooley
Cc: Manning, Bryan; Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski
Subject: Re: latest Aircraft RTC document

Hi David, I'm out of the office so just now seeing this. Did you figure it out? Remember the detailed comments were only inserted for certain sections (4 and 5) if I remember correctly.

Lesley

Sent from my iPhone

On Jul 8, 2016, at 9:00 AM, David Cooley <David_Cooley@abtassoc.com> wrote:

Hi Chris and Lesley,

I might not be looking at this correctly, but I don't see the detailed comments or the list of commenter names in the document you sent. Is there another document with the comment summaries and responses, or am I missing it in this document?

Thanks,
David

From: Jantarasami, Lesley [<mailto:Jantarasami.Lesley@epa.gov>]
Sent: Thursday, July 07, 2016 6:15 PM
To: David Cooley
Cc: Manning, Bryan; Brunner, Christine; Barbara J. Bauer; Molly Teague; Matt Malachowski
Subject: latest Aircraft RTC document

Hi Chris and David,

Great – here is the file. Here are the changes we are requesting (listed roughly in order of priority)

1. Remove the detailed comments from CERT that are inserted prior to the comment summaries.
2. Consolidate the commenter names/numbers to one list at the beginning of each section rather than right before each separate comment summary
3. Remove all of our comment bubbles **while keeping** the track changes in the text itself. The only exception is that I would like to clean up the titles of the sections and subsections, so you can accept the edits we've made to those.
4. Collapsing section 5 – since there are so few comment summaries in this entire section, I would like to remove the subsections and have them all under one heading "Miscellaneous Legal, Economic, and Other Comments"
5. For one new comment summary currently at the top of section 5.4, we need to generate a list of commenter names and numbers. Please generate that based on this list of numbers: **(0916, 0747, 0834, 0863, 0860, 0568, 0732, 0526)**
6. Regenerate the table of contents based on the new section 5 and clean titles.
7. Add page numbers to the bottom of each page.

Please let me know if you have any questions. Thanks so much!

Lesley

From: David Cooley [mailto:David_Cooley@abtassoc.com]
Sent: Thursday, July 07, 2016 4:45 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Cc: Manning, Bryan <manning.bryan@epa.gov>; Brunner, Christine <brunner.christine@epa.gov>; Barbara J. Bauer <Barbara_Bauer@abtassoc.com>; Molly Teague <Molly_Teague@abtassoc.com>; Matt Malachowski <Matt_Malachowski@abtassoc.com>
Subject: Re: Aircraft RTC document seems corrupted again - could you help fix it?

Hi Chris and Lesley,

We can definitely get it back to you by COB tomorrow. Please send it over when you have a chance.

Thanks,
David

--

sent from mobile device

On Jul 7, 2016, at 2:46 PM, Jantarasami, Lesley <Jantarasami.Lesley@epa.gov> wrote:

Hello David and Chris,
Thanks again for your quick turnaround with the document last week! I was wondering if you might be able to help us again in turning around a new version of the RTC by COB tomorrow. I'll send you the document when I get back to my desk and specify exactly what I'm looking for. Note this won't be the final version so a copy edit won't be necessary at this point.

Thanks,
Lesley

Sent from my iPhone

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

<EO12866_AircraftEF 5773 FR FRN_20160707.docx>

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

This message may contain privileged and confidential information intended solely for the addressee. Please do not read, disseminate or copy it unless you are the intended recipient. If this message has been received in error, we kindly ask that you notify the sender immediately by return email and delete all copies of the message from your system.

Message

From: Amy Doll [adoll@endyna.com]
Sent: 1/11/2018 9:42:51 PM
To: Manning, Bryan [manning.bryan@epa.gov]; Viator, Catherine (viator@rti.org) [viator@rti.org]
CC: Jones, Jason [jasonjones@rti.org]; siddhanti@endyna.com; Mueller, John [mueller.john@epa.gov]; Yen, David [Yen.David@epa.gov]
Subject: WA 1-15 -- Another review of Charge Questions / Draft Peer Review Materials Package
Attachments: EnDyna_CO2 Tech-Cost Report Peer Review Package_DRAFT_11Jan2018.docx; Volume 1 EPA 2017 Aircraft CO2 Cost Assessment_11-3-2017.docx; Volume 2 EPA 2017 Aerospace Industry Characterization_11-3-2017.docx

Hi Bryan

Although this is not a required deliverable, I wanted to provide you another opportunity to review the Charge Questions that I've now included in EnDyna's draft Peer Review Materials Package (see attached). I'll also ask RTI (our prime) if they have any comments/suggestions on EnDyna's draft Peer Review Materials Package.

Could you please send back any comments/suggestions by/before next Wednesday, January 17th -- currently, I'm planning to distribute the peer review materials packages on January 25th (but could adjust, if needed)

I understood that some revisions were underway for the Technology Response Spreadsheet, and that EPA will be providing a corrected version sometime next week.

Also please take a look at how I've inserted volume numbers into the reports (also attached), and hopefully my "tweak" will work to provide clarity for which volume is addressed by the charge questions.

As an update, this morning I emailed the three selected reviewers, and:

- Mr. Golaszewski quickly confirmed participation, and agreed to \$1000 honorarium
- Ms. Bezos-O'Connor also quickly confirmed participation; and of course, will not receive honorarium
- Waiting for response from Dr. Sabnis (may be away from his desk/computer)

Please don't hesitate to let me know if you have any questions.

Thanks,

Amy

Amy Doll
 Senior Associate
 EnDyna, Inc.
 7926 Jones Branch Drive, Suite 620
 McLean, VA 22102
adoll@endyna.com
 Tel: 703-848-8842 ext. 111
 Fax: 703-848-9001

From: Manning, Bryan [<mailto:manning.bryan@epa.gov>]
Sent: Thursday, January 04, 2018 11:27 AM
To: Amy Doll; Viator, Catherine (viator@rti.org)
Cc: Jones, Jason; Smita Siddhanti; Mueller, John; Yen, David
Subject: RE: WA 1-15 Task 1 Peer Reviewer Selection Memo

Thank you for the peer reviewer selection memo, Amy. We have no comments on this memo. Your plan sounds good to us.

Thanks again,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: Amy Doll [<mailto:adoll@endyna.com>]
Sent: Wednesday, January 03, 2018 4:33 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Viator, Catherine (viator@rti.org) <viator@rti.org>
Cc: Jones, Jason <jasonjones@rti.org>; siddhanti@endyna.com; Mueller, John <mueller.john@epa.gov>; Yen, David <Yen.David@epa.gov>
Subject: WA 1-15 Task 1 Peer Reviewer Selection Memo

Hi Bryan

Attached please find the Task 1 Peer Reviewer Selection Memo, for EPA's review.

During the December 15th kick-off conference call, and subsequent email communications, RTI and EnDyna understood that EPA could provide any comments by/before COB January 5th. We agreed this turnaround will facilitate starting the peer review of the technology/cost draft report during January 2018 in order to avoid overlapping with the subsequent peer review for the emissions draft report.

As a reminder, [Ex. 6 Personal Privacy (PP)] and Jason Jones (Contract PM) will cover for [Ex. 6 Personal Privacy (PP)] may be able to respond occasionally to emails.

Please do not hesitate to let me know if you have any questions about the Peer Reviewer Selection Memo.

Happy New Year,

Amy

Amy Doll
Senior Associate
EnDyna, Inc.
7926 Jones Branch Drive, Suite 620
McLean, VA 22102
adoll@endyna.com
Tel: 703-848-8842 ext. 111
Fax: 703-848-9001

Message

From: Manning, Bryan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9507F60B9C47448A88DD5D270BFC2DD4-MANNING, BRYAN]
Sent: 11/7/2016 9:38:34 PM
To: Maeroff, Bruce [Maeroff.Bruce@epa.gov]
Subject: FW: Boeing presentation materials from Nov 2 meeting - attachment 2
Attachments: Sustainable Aviation Biofuel Boeing - EPA Nov 2016.pptx

Bruce, see below/attached. Thanks. Bryan

From: Pagano, Peter A [mailto:peter.a.pagano@boeing.com]
Sent: Monday, November 07, 2016 1:17 PM
To: Manning, Bryan <manning.bryan@epa.gov>
Subject: Boeing presentation materials from Nov 2 meeting - attachment 2

Here's the second attachment. Thanks again.

All the best,

Peter A. Pagano
Director, Environment
The Boeing Company
703-414-6486
Email: peter.a.pagano@boeing.com

Message

From: Manning, Bryan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9507F60B9C47448A88DD5D270BFC2DD4-MANNING, BRYAN]
Sent: 9/29/2015 4:40:33 PM
To: Menon, Chirag [Chirag.Menon@icfi.com]
CC: Zimm, Peter [Peter.Zimm@icfi.com]; McDonald, Glenn [GMcDonald@icfi.com]; Staniec, Kali [Kali.Staniec@icfi.com]
Subject: RE: ICF-Averaging & Banking Mechanisms for Aviation CO2 Emissions Regulation Paper
Attachments: ICF - Averaging Banking Mechanisms for Aviation CO2 Emissions Regulation- September 25th+BM.docx

Thank you for the draft report, Chirag. It looks good. I have a few comments (suggested revised text and comment boxes throughout), which are provided in the attachment. You should be able to respond to these comments (or make revisions based on these comments) by COB September 30. Let me know if you have any questions.

Thanks again,

Bryan

Bryan Manning
U.S. EPA Office of Transportation and Air Quality
Large Marine and Aviation Center
2000 Traverwood Drive
Ann Arbor, MI 48105
(ph) 734-214-4832 (fax) 734-214-4816
manning.bryan@epa.gov

From: Menon, Chirag [mailto:Chirag.Menon@icfi.com]
Sent: Friday, September 25, 2015 6:25 PM
To: Manning, Bryan
Cc: Zimm, Peter; McDonald, Glenn; Staniec, Kali
Subject: ICF-Averaging & Banking Mechanisms for Aviation CO2 Emissions Regulation Paper

Hi Bryan,

Please find attached the first draft of the report.

Please let us know if you have any questions and we look forward to hearing from you next week.

Best,
Chirag

Chirag Menon | Research Assistant | 734.929.6180 (office) | chirag.menon@icfi.com | icfi.com/aviation |
ICF International | 101 N. Main Suite 400, Ann Arbor, MI 48104 | 734.604.4050 (m)



Please consider the environment before printing this e-mail.

NOTICE: This message is for the designated recipient only and may contain privileged or confidential information. If you have received it in error, please notify the sender immediately and delete the original. Any other use of this e-mail is prohibited.

Message

From: Yen, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=865CA449DD0F405A949A635615E68827-YEN, DAVID]
Sent: 2/12/2018 8:07:05 PM
To: Lindsey, Leah [lindsey.leah@epa.gov]; Gerring, Holly [gerring.holly@epa.gov]
Subject: RE: updated example FE output file
Attachments: Project2b_A380-TA4_plots.xlsx; 2015_OPERATIONS_RATES_freight_FE011618+ATK_NIS_021218.xlsx; INTERNAL Tech Response Spreadsheet_11-6-7v2+LL_12-26-17_GR-Type_FR-MPL_021218.xlsx

Hello Leah and Holly,

Ex. 5 - Deliberative Process

Thanks,
David

From: Yen, David
Sent: Friday, February 09, 2018 12:23 PM
To: Lindsey, Leah <lindsey.leah@epa.gov>; Gerring, Holly <gerring.holly@epa.gov>
Subject: updated example FE output file

Hi Leah and Holly,

Ex. 5 - Deliberative Process

Thanks,
David